

We claim:

1. A jobsite-applied floor finish atop a multipiece flooring material whose pieces have a top surface, a side surface or surfaces and gaps between pieces, the top surface being coated and at least the uppermost portion of the gaps being filled with a layer or layers of a strippable cured finish composition comprising radiation cured polymer and sufficient inorganic filler particles to impart increased scratch resistance to the cured finish.
2. A finish according to claim 1, wherein the cured finish can be removed by applying to it an inhomogeneous stripper composition containing at least one polar solvent, allowing the stripper composition to contact the finish for sufficient time to soften the finish, and removing the softened finish from the flooring material by mopping, vacuuming, mild abrasion or other measures that do not remove substantial portions of the flooring material.
3. A finish according to claim 1, wherein the inorganic particles comprise silica or alumina particles.
4. A finish according to claim 1, wherein the inorganic particles comprise silica particles.
5. A finish according to claim 1, wherein the inorganic particles have an average particle diameter of about 3 to about 50 nanometers.
6. A finish according to claim 1, wherein the inorganic particles have an average particle diameter of about 12 to about 50 nanometers.
7. A finish according to claim 1, wherein the inorganic particles comprise a bimodal mixture of small and large diameter particles.
8. A finish according to claim 1, comprising about 1 to about 40 weight percent inorganic particles based on the weight of cured finish.
9. A finish according to claim 1, comprising about 5 to about 15 weight percent inorganic particles based on the weight of cured finish.

10. A jobsite-applied finish atop a substrate, wherein the finish comprises a strippable intermediate coating atop the substrate and a strip agent-permeable radiation cured coating atop the intermediate coating, the strip-agent permeable coating comprising sufficient inorganic filler particles to impart increased scratch resistance to the finish and being less strippable and more durable than the intermediate coating.
11. A finish according to claim 10, wherein the finish can be removed by applying to it an inhomogeneous stripper composition containing at least one polar solvent, allowing the stripper composition to contact the finish for sufficient time to soften the finish, and removing the softened finish from the substrate by mopping, vacuuming, mild abrasion or other measures that do not remove substantial portions of the substrate.
12. A finish according to claim 10, wherein the substrate comprises a floor.
13. A finish according to claim 10, wherein the substrate comprises a resilient flooring material.
14. A finish according to claim 10, wherein the substrate comprises a multipiece flooring material.
15. A finish according to claim 14, wherein the pieces have a top surface, a side surface or surfaces and gaps between pieces; the top surface being coated and at least the uppermost portion of the gaps being filled with a layer or layers of the intermediate coating.
16. A finish according to claim 15, wherein the substrate comprises vinyl or vinyl composite tiles.
17. A finish according to claim 15, wherein the substrate comprises wood.
18. A finish according to claim 10, wherein the intermediate coating comprises a metal-catalyzed acrylic.
19. A finish according to claim 10, wherein the intermediate coating has a thickness of about 2.5 to about 75 micrometers.

20. A finish according to claim 10, wherein the radiation cured coating comprises an acrylate, methacrylate, unsaturated polyester, vinyl ether, epoxy, urethane or acrylated urethane.
- 5 21. A finish according to claim 10, wherein the radiation cured coating comprises a UV curable aromatic urethane.
22. A finish according to claim 10, wherein the radiation cured coating comprises a UV curable aliphatic polyester urethane.
23. A finish according to claim 10, wherein the radiation cured coating has a thickness of about 2.5 to about 75 micrometers.
- 10 24. A finish according to claim 10, wherein the inorganic particles comprise silica or alumina particles.
25. A finish according to claim 10, wherein the inorganic particles comprise silica particles.
- 15 26. A finish according to claim 10, wherein the inorganic particles have an average particle diameter of about 3 to about 50 nanometers.
27. A finish according to claim 10, wherein the inorganic particles have an average particle diameter of about 12 to about 50 nanometers.
28. A finish according to claim 10, comprising about 1 to about 40 weight percent inorganic particles based on the weight of the radiation cured coating.
- 20 29. A finish according to claim 10, comprising about 5 to about 15 weight percent inorganic particles based on the weight of the radiation cured coating.
- 25 30. A factory-applied floor finish atop a multipiece flooring material whose pieces have a top surface coated with a layer or layers of a jobsite-strippable cured finish composition comprising a radiation cured coating comprising sufficient inorganic filler particles to impart increased scratch resistance to the finish.
31. A finish according to claim 30, wherein the cured finish can be removed by applying to it an inhomogeneous stripper composition containing at least one polar solvent,

allowing the stripper composition to contact the finish for sufficient time to soften the finish, and removing the softened finish from the flooring material by mopping, vacuuming, mild abrasion or other measures that do not remove substantial portions of the flooring material.

- 5 32. A finish according to claim 30, wherein the cured finish comprises a strippable intermediate coating atop such surfaces and a strip agent-permeable radiation cured coating atop the intermediate coating, the strip-agent permeable coating being less strippable and more durable than the intermediate coating.
- 10 33. A finish according to claim 30, wherein the inorganic particles comprise silica or alumina particles.
34. A finish according to claim 30, wherein the inorganic particles comprise silica particles.
35. A finish according to claim 30, wherein the inorganic particles have an average particle diameter of about 3 to about 50 nanometers.
- 15 36. A finish according to claim 30, wherein the inorganic particles have an average particle diameter of about 12 to about 50 nanometers.
37. A finish according to claim 30, wherein the inorganic particles comprise a bimodal mixture of small and large diameter particles
- 20 38. A finish according to claim 30, comprising about 1 to about 40 weight percent inorganic particles based on the weight of cured finish.
39. A finish according to claim 30, comprising about 5 to about 15 weight percent inorganic particles based on the weight of cured finish.
40. A finish according to claim 30, wherein the flooring material comprises wood.
- 25 41. A finish kit, comprising a radiation curable coating material comprising sufficient inorganic filler particles to impart increased scratch resistance to the radiation curable coating material after it is cured, and instructions for jobsite application of the radiation curable coating material to installed flooring materials, wherein the cured radiation curable coating material is strippable.

42. A finish kit according to claim 41, wherein the radiation curable coating material comprises water.
43. A finish kit according to claim 41, wherein the radiation curable coating material comprises a cosolvent that helps to disperse the inorganic particles in the radiation curable coating material.
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44. A laminate finish kit, comprising a strippable intermediate coating, a radiation curable coating material comprising sufficient inorganic filler particles to impart increased scratch resistance to the radiation curable coating material after it is cured, and instructions for jobsite application of the intermediate coating and radiation curable coating material to a substrate, wherein the cured radiation curable coating material is strip agent permeable and less strippable than the intermediate coating.
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45. A laminate finish kit according to claim 44, further comprising a strip agent.
46. A laminate finish kit according to claim 44, wherein the radiation curable coating material comprises an acrylate, methacrylate, unsaturated polyester, vinyl ether, epoxy, urethane or acrylated urethane.
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47. A laminate finish kit according to claim 44, wherein the radiation curable coating material comprises an aromatic urethane.
48. A laminate finish kit according to claim 44, wherein the radiation curable coating material comprises an aliphatic polyester urethane.
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49. A laminate finish kit according to claim 44, wherein the radiation curable coating material comprises water and a cosolvent that helps to disperse the inorganic particles in the radiation curable coating material.
50. A method for jobsite application of a finish to a multipiece flooring material whose pieces have a top surface, a side surface or surfaces and gaps between pieces, comprising:
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- a. coating the top surface and filling at least the uppermost portion of the gaps with a strippable radiation curable finish comprising sufficient inorganic filler particles to impart increased scratch resistance to the finish after it is cured; and

b. curing the finish using UV radiation.

51. A method according to claim 50, wherein the inorganic particles comprise silica particles.

52. A method for jobsite application of a laminate finish to a multipiece flooring material
5 whose pieces have a top surface, a side surface or surfaces and gaps between pieces, comprising:

a. coating the top surface and filling at least the uppermost portion of the gaps with a strippable intermediate coating;

b. allowing the intermediate coating to dry or harden;

10 c. coating the intermediate coating with a radiation curable coating material comprising sufficient inorganic filler particles to impart increased scratch resistance to the radiation curable coating material after it is cured; and

d. curing the radiation curable coating material using suitable radiation, wherein the cured radiation curable coating material is strip agent permeable and less
15 strippable than the intermediate coating.

53. A method according to claim 52, wherein the inorganic particles comprise silica particles.

54. A method for removing the laminate finish according to claim 52, comprising:

a. applying to the finish a strip agent comprising a polar solvent;

20 b. allowing the strip agent to permeate through the finish to attack the intermediate layer; and

c. removing the finish without removing substantial portions of the underlying flooring material.

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